



SEQUENCE LISTING

<110> Sone, Toshio
Kume, Akinori
Kairiki, Kazuo
Iwama, Akiko
Kino, Kohsuke

<120> Peptide-based Immunotherapeutic Agent For Treating
Allergic Diseases

<130> Docket No. SPO-103

<140> 09/142,524

<141> 1999-01-04

<150> 8/80/702

<151> 1996-03-10

<150> PCT/JP97/00740

<151> 1997-03-10

<160> 5

<170> PatentIn Ver. 2.0

<210> 1
<211> 80
<212> PRT
<213> Unknown

<220>

<223> Description of Unknown Organism:peptide

<400> 1

Met Lys Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asn / Arg Arg Val
1 5 10 15

Phe Ile Lys Arg Val Ser Asn Val Ile Ile His Gly / Arg Arg / Ile Asp
20 25 30

Ile Phe Ala Ser Lys Asn Phe His Leu Gln Lys Asn Thr Ile Gly Thr
35 40 45

Gly / Arg Arg / Ile Ser Leu Lys Leu Thr Ser Gly Lys Ile Ala Ser / Arg
50 55 60

45

Arg / Val Asp Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys
 65 70 75 80

<210> 2

<211> 105

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown Organism:peptide

<400> 2

Met Lys Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asn Arg Arg Val
 1 5 10 15

Phe Ile Lys Arg Val Ser Asn Val Ile Ile His Gly Arg Arg Ile Asp
 20 25 30

Ile Phe Ala Ser Lys Asn Phe His Leu Gln Lys Asn Thr Ile Gly Thr
 35 40 45

Gly Arg Arg Trp Lys Asn Asn Arg Ile Trp Leu Gln Phe Ala Lys Leu
 50 55 60

Thr Gly Phe Thr Leu Met Gly Arg Arg Leu Lys Met Pro Met Tyr Ile
 65 70 75 80

Ala Gly Tyr Lys Thr Phe Asp Gly Arg Arg Val Asp Gly Ile Ile Ala
 85 90 95

Ala Tyr Gln Asn Pro Ala Ser Trp Lys
 100 105

<210> 3

<211> 134

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown Organism:peptide

<400> 3

Met Lys Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asn Arg Arg Val
 1 5 10 15

Phe Ile Lys Arg Val Ser Asn Val Ile Ile His Gly Arg Arg Ile Asp
 20 25 30

Ile Phe Ala Ser Lys Asn Phe His Leu Gln Lys Asn Thr Ile Gly Thr
 35 40 45

Gly Arg Arg Trp Lys Asn Asn Arg Ile Trp Leu Gln Phe Ala Lys Leu
 50 55 60

Thr Gly Phe Thr Leu Met Gly Arg Arg Pro Leu Trp Ile Ile Phe Ser
 65 70 75 80

Gly Asn Met Asn Ile Lys Leu Lys Met Pro Met Tyr Ile Ala Gly Tyr
 85 90 95

Lys Thr Phe Asp Gly Arg Arg Ala Glu Val Ser Tyr Val His Val Asn
 100 105 110

Gly Ala Lys Phe Ile Arg Arg Val Asp Gly Ile Ile Ala Ala Tyr Gln
 115 120 125

Asn Pro Ala Ser Trp Lys
 130

<210> 4

<211> 31

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown Organism:peptide

<400> 4

Ile Phe Ser Lys Asn Leu Asn Ile Lys Leu Asn Met Pro Leu Tyr Ile
 1 5 10 15

Ala Gly Asn Lys Arg Arg Phe Ile Lys Arg Val Ser Asn Val Ile
 20 25 30

<210> 5

<211> 31

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown Organism:peptide

<400> 5

Ser Ser Gly Lys Asn Glu Gly Thr Asn Ile Tyr Asn Asn Glu Ala
 1 5 10 15

Phe Lys Val Glu Arg Arg Phe Ile Lys Arg Val Ser Asn Val Ile
 20 25 30